

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/10177

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ H01L21/60

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H01L21/52, 21/56, 21/60, 23/12, 23/28, 25/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2002	Jitsuyo Shinan Toroku Koho	1996-2002

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-208668 A (Hitachi, Ltd.), 26 July, 2002 (26.07.02), Par. Nos. [0043], [0045], [0053], [0149]; Figs. 1 to 3 (Family: none)	1-16
A	JP 3-227543 A (Mitsubishi Electric Corp.), 08 October, 1991 (08.10.91), Page 2, lower right column, lines 4 to 6; Fig. 5 (Family: none)	1-4, 10-14
A	JP 2000-21920 A (Sony Corp.), 21 January, 2000 (21.01.00), Par. No. [0023]; Figs. 3, 4 (Family: none)	1-4, 10-14

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:
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Date of the actual completion of the international search
20 December, 2002 (20.12.02)Date of mailing of the international search report
14 January, 2003 (14.01.03)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-313459 A (TDK Corp.), 09 November, 2001 (09.11.01), Par. Nos. [0074], [0075]; Fig. 9 (Family: none)	6, 7, 15, 16
A	JP 2001-237252 A (Hitachi, Ltd.), 31 August, 2001 (31.08.01), Par. Nos. [0013], [0078], [0093]; Fig. 1 (Family: none)	6, 7, 15, 16
A	JP 62-291128 A (NEC Corp.), 17 December, 1987 (17.12.87), Fig. 1 (Family: none)	9
A	JP 6-349969 A (Matsushita Electric Works, Ltd.), 22 December, 1994 (22.12.94), Figs. 1, 3 (Family: none)	9